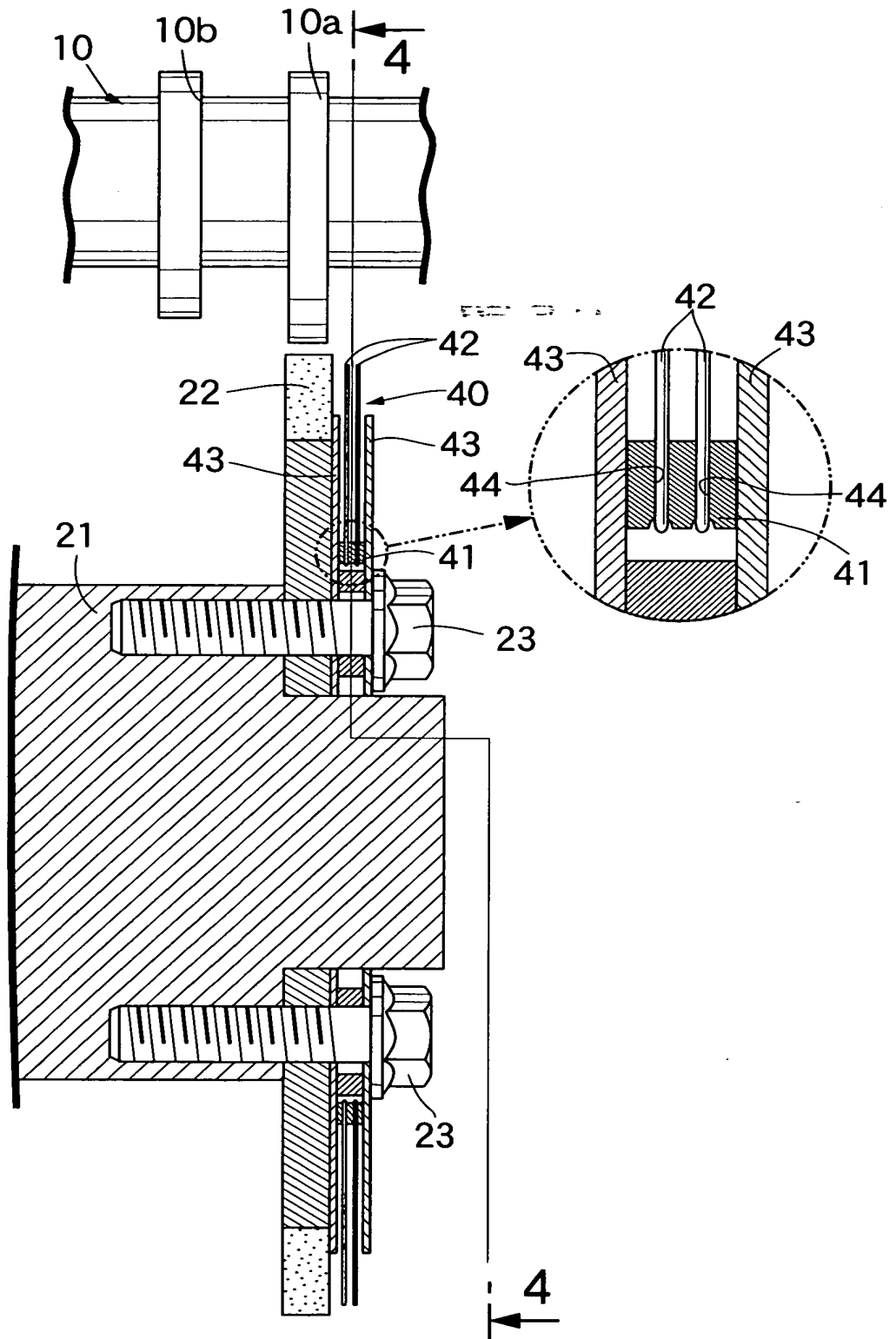


3/12
FIG.3



4/12

FIG.4
DURING DETECTION OF STANDARD PHASE

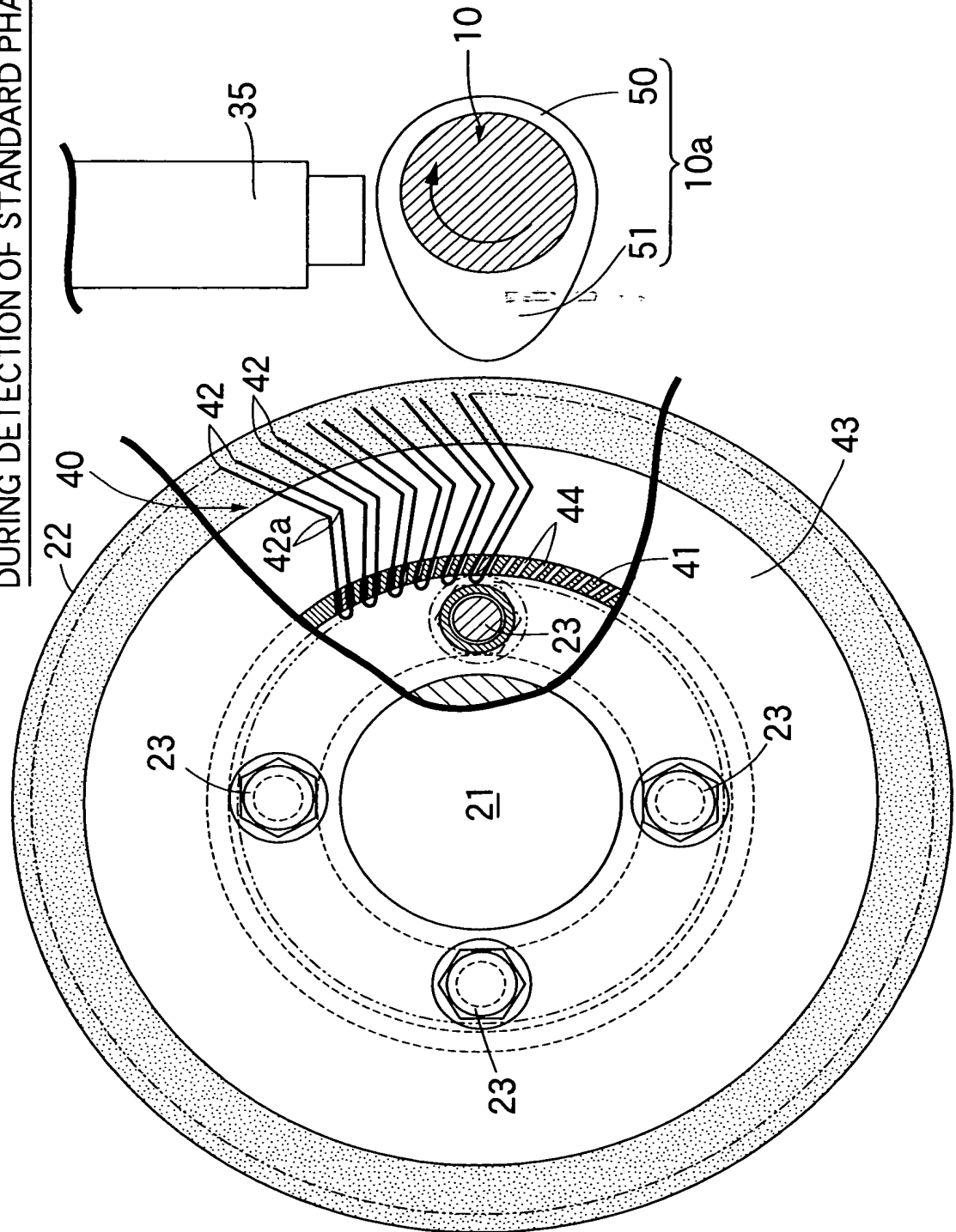


FIG.5
DURING DRESSING

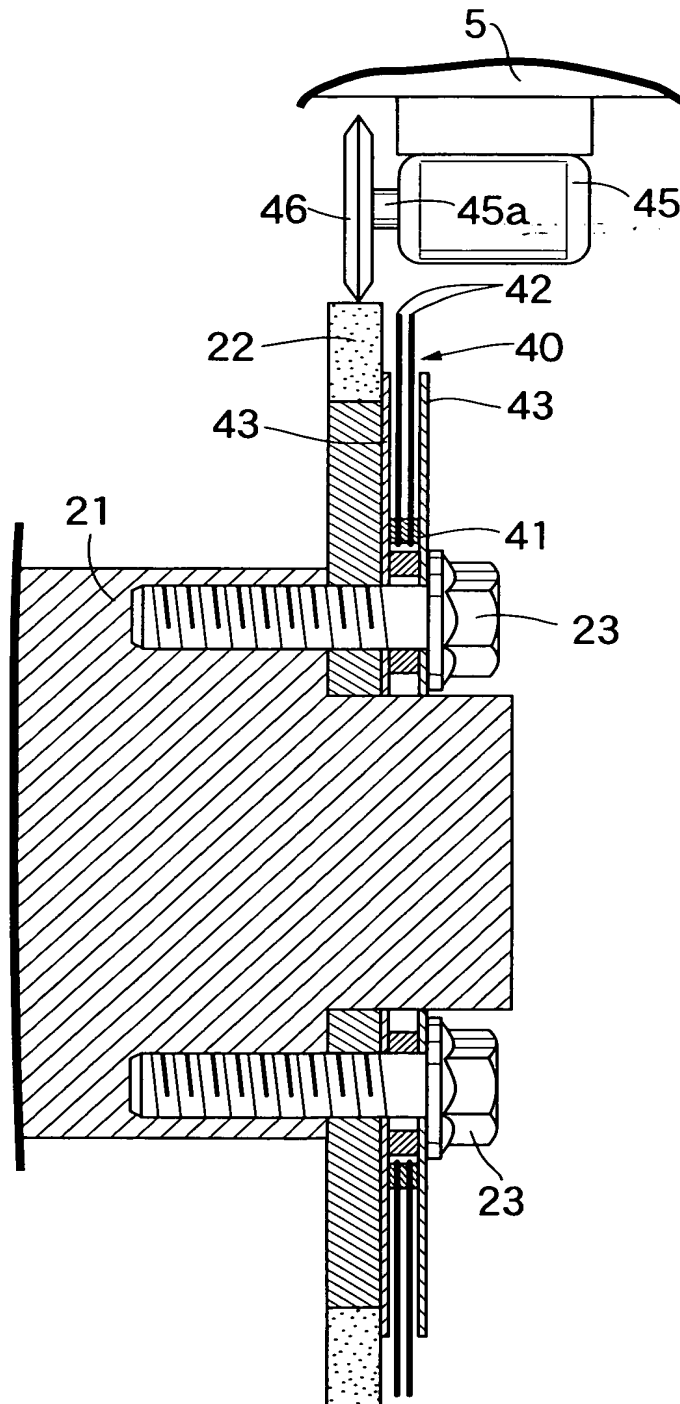
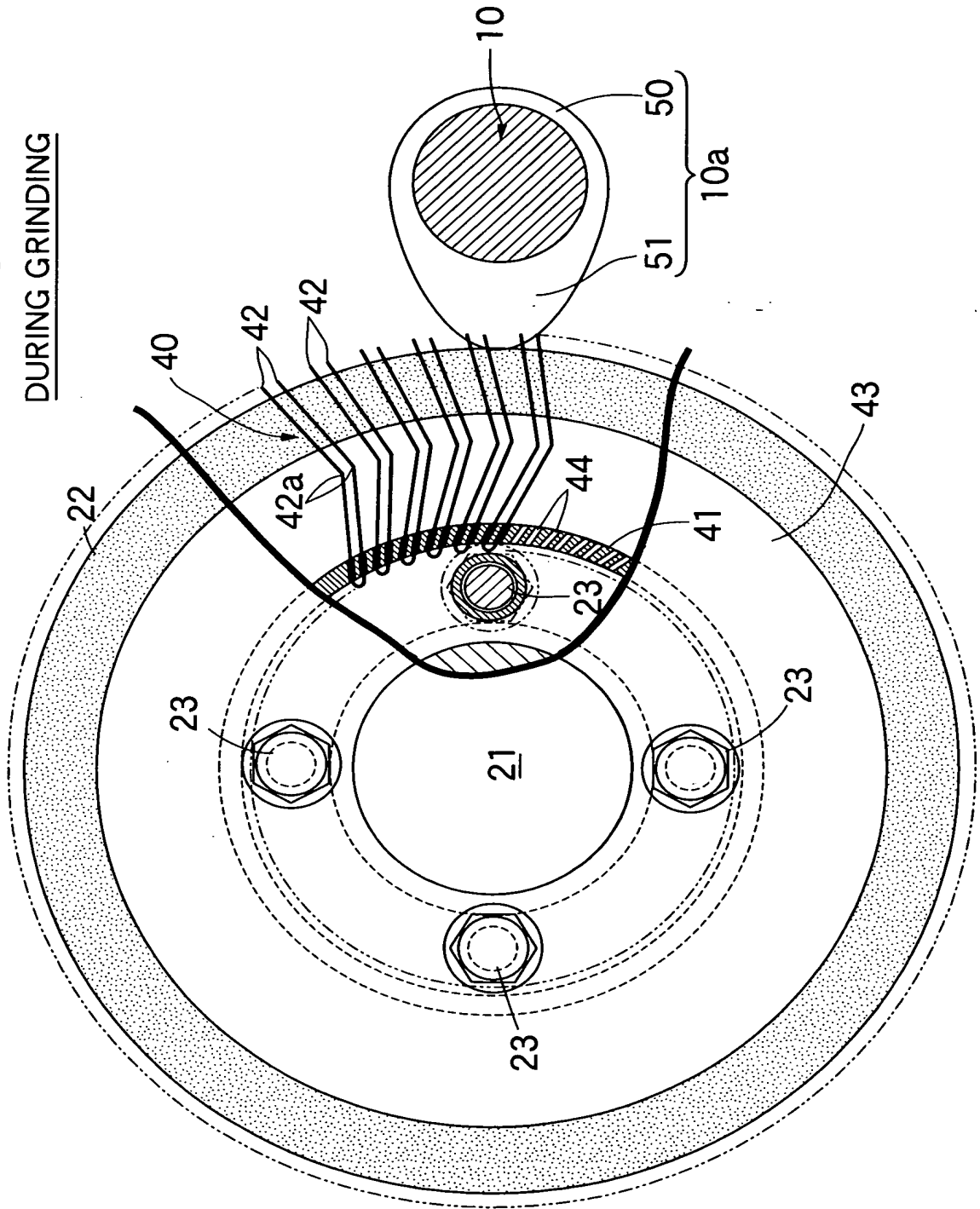


FIG.6

7/12

FIG.7

DURING GRINDING



8/12

FIG.8

DURING BRUSHING

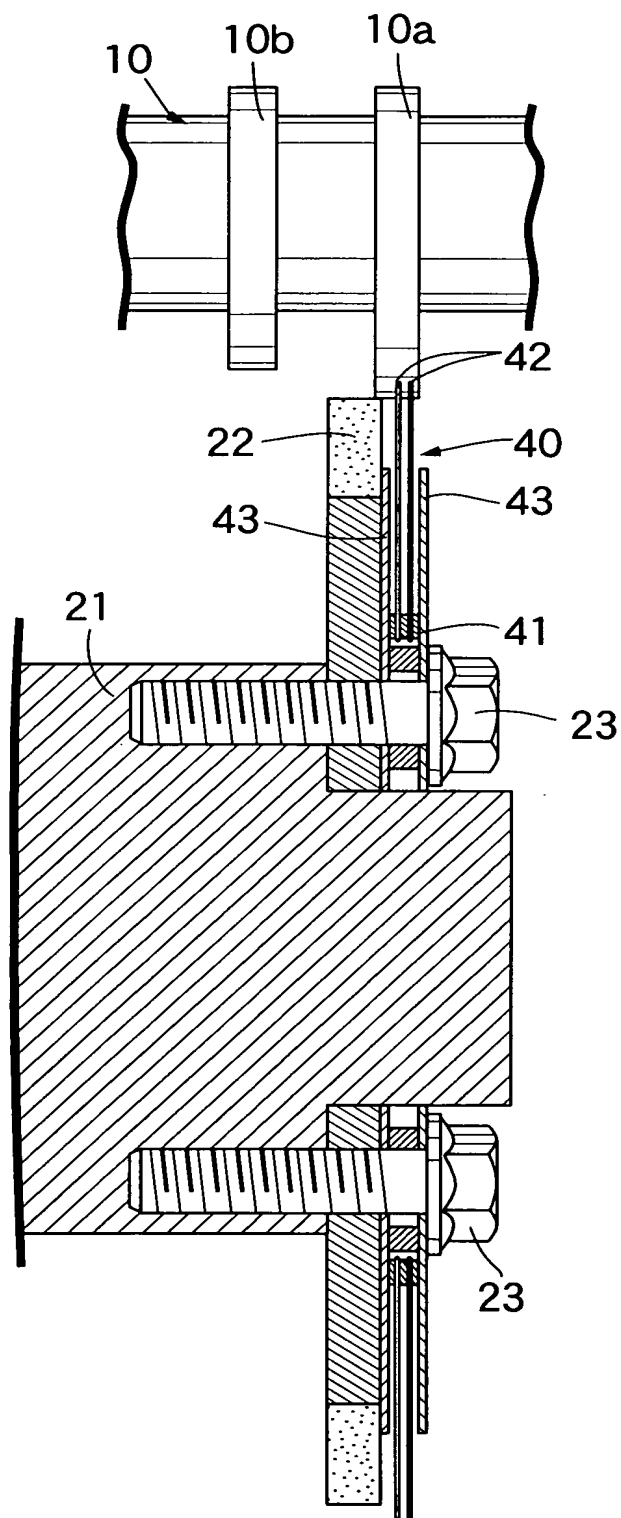


FIG.9

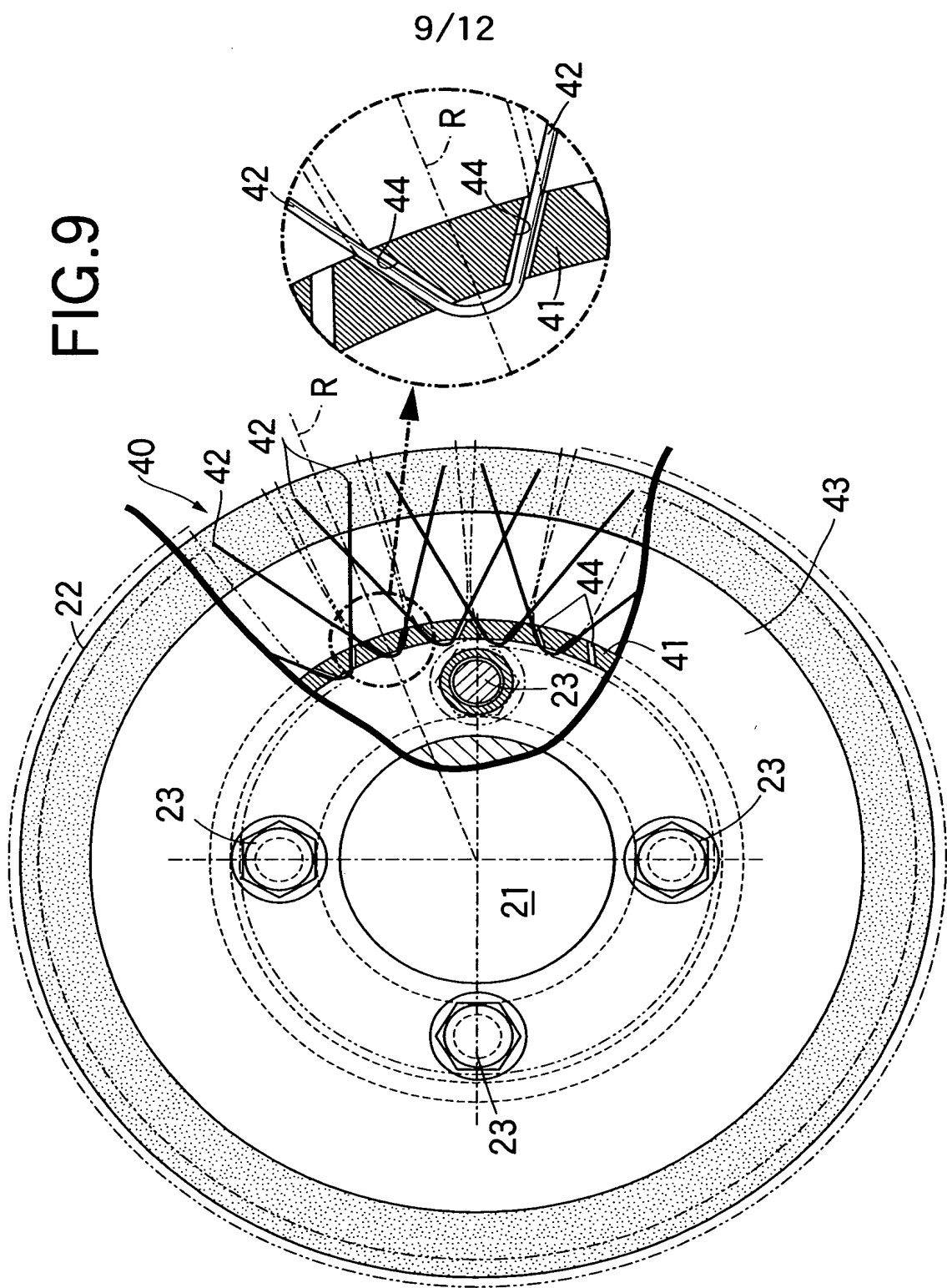
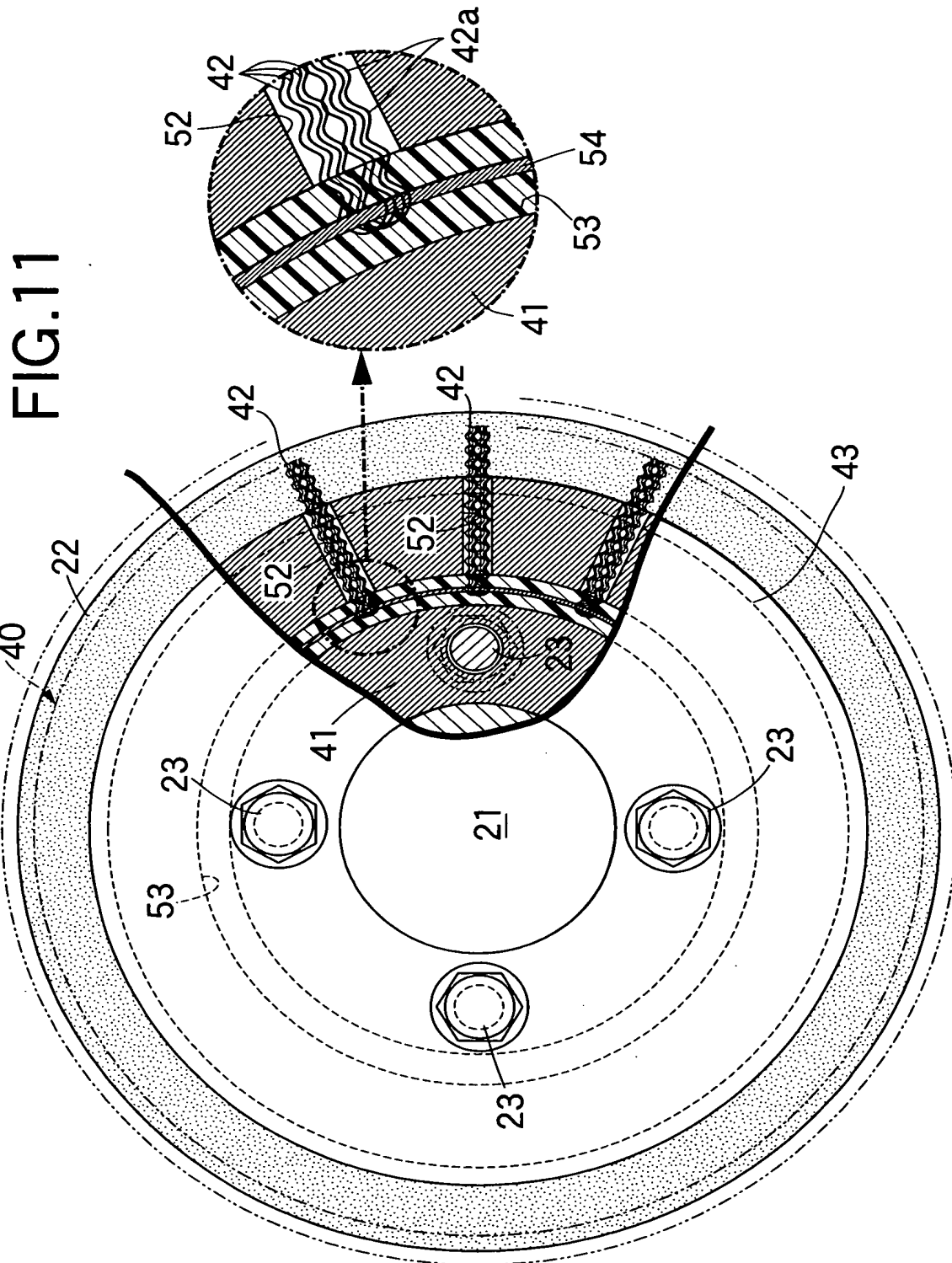


FIG.10

11/12



12/12

FIG.12
DURING GRINDING

